
Corrosion Control

COR 1501 Corrosion Control

Identification of characteristics of metals and alloys, causes and types of corrosion, and mechanical/chemical removal of corrosion.

COR 1506 Fundamentals of Metallic Corrosion

Aerospace equipment, technical manuals, maintenance management, characteristics of metals, and corrosion principles.

COR 1507 Metallic Corrosion Control

Preparation of metal surfaces; includes corrosion inspection, preparation of fiberglass surfaces, mechanical and chemical corrosion removal, and surface treatment.

COR 1508 Metallic Protective Coatings

Practical care and use of coating equipment; includes determining composition of coatings, application of coating systems, and identification of aerospace equipment markings.

COR 2501 Corrosion Control Laboratory

Application of preservatives and surface preparation; includes protection from environmental factors, measuring effects of temperature and humidity, analysis of corrosive factors, use of toxics and caustic agents, and evaluation of compatibility of materials.

Dental Specialist

DAS 1305 Basic Dental Sciences

Facial, cranial, and intraoral anatomy; tooth morphology; elementary physiology and chemistry; dental disease; infection control; and provider/patient relations.

DAS 1306 Clinical Procedures

Restorative and four-handed dentistry techniques and procedures, clinical/general emergency care, and dental instrument use. Incorporates use of materials and application of administrative regulations and procedures to dental records maintenance and patient scheduling.

DAS 1314 Preventive Dentistry Science

Periodontal anatomy, microbiology, calculus, progression of periodontal disease, fluorides, anomalies, patient psychology, and chairside counseling.

DAS 1315 Preclinical Procedures

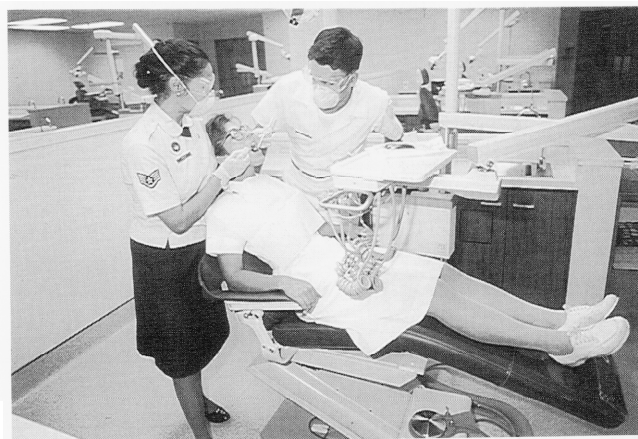
Introduction to dental radiography, diagnostic and emergency dental procedures, and clinical operations. Performance of basic life support on mannequins.

DAS 1316 Clinical Phase

Oral prophylaxis and operative assisting duties and dental radiography, emphasizing radiation exposure techniques and safety.

DAS 2314 Advanced Dental Sciences

Head, neck, and oral anatomy; general/oral physiology; pathological/systemic disorders; dental therapeutics/emergencies; nutrition; and infection control procedures.



DAS 2315 Advanced Dental Hygiene I

Preclinical dental hygiene techniques, concepts/philosophies of preventive dentistry, progression of periodontal disease, and principles of calculus formation and dental caries.

DAS 2316 Advanced Dental Hygiene II

Treatment of oral hygiene and periodontal patients, finishing/polishing metallic restorations, topical fluoride application, placement of pit and fissure sealants, and patient communication.

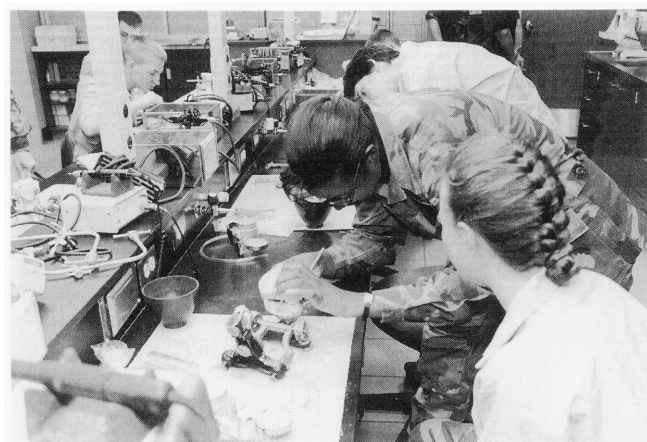
DAS 2317 Dental Administrative Procedures

Dental patient and record management, oral/interpersonal communications, data automation, and resource management.

Dental Laboratory Technology

DLT 1317 Dental Laboratory Fundamentals

Basic dental materials, equipment, and procedures for cast fabrication; morphology of natural teeth; intraoral anatomy; physiology of human skull; dental forms and records; ethics; and human relations.

**DLT 1318 Complete Dentures I**

Fabrication of master casts, base plates, and occlusion rims; mounting of casts; selection/arrangement of artificial teeth; and final wax-up, contouring, processing, and finishing of complete dentures.

DLT 1319 Complete Dentures II

Nonanatomic denture occlusion; complete denture relining/repair; and fabrication of immediate dentures, surgical templates, interim acrylic removable partial denture, and soft mouthguard.

DLT 1320 Construction of Removable Partial Dentures I

Principles of dental survey and design, casting of metal removable partial dentures, and preparation/fabrication of metal frameworks from wax-up and casting through finishing.

DLT 1321 Construction of Removable Partial Dentures II

Tooth arrangement on metal frameworks, wax-up and contouring of denture base, processing and finishing of acrylic portions, partial denture rep air, orthodontic appliances.

DLT 1322 Construction of Inlays, Crowns, and Fixed Partial Dentures I

Occlusion, creation of stone casts and dies, use of wax additive technique, and casting and finishing of gold alloys.

DLT 1323 Construction of Inlays, Crowns, and Fixed Partial Dentures II

Fabrication, assembly, and soldering procedures used in construction of inlays, crowns, fixed partial dentures, and acrylic resin crowns.

DLT 1324 Dental Ceramics

Metal ceramic single unit restorations; wax-ups, casting, and finishing of metal substructure; and application, firing, contouring, and glazing of porcelain.

DLT 2310 Porcelain and Metal Ceramic Restorations

porcelain jacket crowns, substructure design, ceramic alloys, intrinsic/extrinsic color modification; and building/contouring of opposing porcelain occlusals to include extensive bridgework.

DLT 2314 Advanced Removable Prosthodontics

Survey and design, articulation, tooth arrangement, processing and recovery of complete and partial dentures, orthodontics appliance, and hard night guard.

DLT 2315 Functional and Esthetic Fixed Prosthodontics

Pouring and articulating of dies and master casts, creation of functional anatomic and metal/ceramic wax-up, investing and burning out wax-up, casting metal, and applying porcelain.

Disaster Preparedness

DPO 1100 Nuclear Emergency Team Operations

Potential hazards of nuclear weapons accident to include biological effects of radiation and airborne radioactivity. Basic nuclear physics, radiation principles, contamination control station concepts, nuclear weapon accident response procedures, medical aspects of radiation, and exercises and decontamination procedures using radiological equipment.

DPO 1101 Disaster Control Fundamentals

Organization of disaster control program. Includes planning procedures and publications; emergency preparedness measures; shelter theory and management; recognizing and managing natural disasters, civil disturbances, and dangerous materials; implementing emergency exercises; and procedures in major accident response exercises.

DPO 1102 Disaster Preparedness

Peacetime operations during major accidents and natural disasters to include military aid to civil authorities and application of command and control procedures and protection and recovery action plans.

DPO 1103 Disaster Preparedness Application

Disaster preparedness unit survey program, exercises and evaluations, peacetime operations for major accidents and decontamination procedures, wartime defensive operations for nuclear and chemical attack, shelters, decontamination, and protective equipment and maintenance. Analysis of disaster preparedness programs and decontamination exercises.

DPO 1104 Warfare Defense

Physical properties, physiological effects, and appropriate defense measures concerning nuclear, biological, and chemical environments, and National Preparedness Programs. Command and control operations to include simple fallout plotting, area reconnaissance, contamination control procedures, shelter stocking, and defense planning requirements.

DPO 1105 Nuclear, Biological, Chemical Cell Operations

Familiarization with nuclear, biological, and chemical cell operations. Includes report and warning organization, messages, mapping, chemical hazard prediction, and fallout predictions.

DPO 1350 Disaster Medicine

Medical responsibilities, medical capabilities, and physical and medical effects of peacetime nuclear weapon accidents; physical and medical effects; medical capabilities; and chemical/biological warfare medical defenses.

DPO 1351 Disaster Preparedness

Disaster planning; includes analyzing problems encountered and determining medical role, sociological aspects, and Federal and local roles. Disaster casualty control planning, development of a disaster/emergency medical training program, and evaluation of simulated disaster exercises.

DPO 2100 Disaster Preparedness Programs

Analysis of research and development, protective shelter concepts and procedures, major accident/incident procedures, defense concepts, training and education requirements, reporting procedures, budgeting, and disaster preparedness planning routines.

DPO 2101 Effects of Nuclear Weapons

Analysis of nuclear weapon theories.

DPO 2200 Airbase Operability

Processes and procedures to keep an airbase operable during peacetime/wartime disasters. Includes airbase management, planning, and operational exercises under adverse circumstances.

Data Systems

EDP 1101 Principles of Data Processing

Techniques, functions, and methods of data input to and retrieval from data systems; includes coding data punched cards and operation of remote terminals.

EDP 1104 Principles of COBOL Programming

Program organization, language structure, data organization, reference formats, table-handling techniques, sorting techniques, and identification, environment, data and procedure division structure.